

12-10-01
FISH & RICHARDSON P.C.

A
225 Franklin Street
Boston, Massachusetts
02110-2804

Telephone
617 542-5070

Facsimile
617 542-8906

Web Site
www.fishr.com

October 25, 2001

Attorney Docket No.: 13445-014001

Box Patent Application
Commissioner for Patents
Washington, DC 20231

Presented for filing is a new patent application claiming priority from a provisional patent application of:

Applicant: MIHAI IBANESCU, JOHN D. JOANNOPOLOUS, YOEL FINK,
STEVEN G. JOHNSON AND SHANHUI FAN

Title: DIELECTRIC WAVEGUIDE WITH TRANSVERSE INDEX
VARIATION THAT SUPPORT A ZERO GROUP VELOCITY MODE
AT A NON-ZERO LONGITUDINAL WAVEVECTOR

Enclosed are the following papers, including those required to receive a filing date under 37 CFR §1.53(b):

| | <u>Pages</u> |
|------------------------|--------------|
| Specification | 19 |
| Claims | 6 |
| Abstract | 1 |
| Declaration (unsigned) | 2 |
| Drawings | 10 |

Enclosures:

- New disclosure information, including:
Information disclosure statement, 1 pages.
PTO-1449, 2 pages.
References, 20 items.
- Postcard.

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EL485713411

I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit October 25, 2001

Signature

Leroy Jenkins

Leroy Jenkins

Typed or Printed Name of Person Signing Certificate

10/25/01
JC945 U.S. PTO
Frederick P. Fish
1855-1930
W.K. Richardson
1859-1951



BOSTON

DALLAS

DELAWARE

NEW YORK

SAN DIEGO

SILICON VALLEY

TWIN CITIES

WASHINGTON, DC

Commissioner for Patents

October 25, 2001

Page 2

Under 35 USC §119(e)(1), this application claims the benefit of prior U.S. provisional application 60/243,565, filed October 26, 2001.

| | |
|--|-------|
| Basic filing fee | \$370 |
| Total claims in excess of 20 times \$9 | \$216 |
| Independent claims in excess of 3 times \$42 | \$0 |
| Fee for multiple dependent claims | \$0 |
| Total filing fee: | \$586 |

A check for the filing fee is enclosed. Please apply any other required fees or any credits to deposit account 06-1050, referencing the attorney docket number shown above.

If this application is found to be incomplete, or if a telephone conference would otherwise be helpful, please call the undersigned at (617) 542-5070.

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Please send all correspondence to:

ERIC L. PRAHL
Fish & Richardson P.C.
225 Franklin Street
Boston, Massachusetts 02110-2804

Respectfully submitted,



Marc M. Wefers* for
Eric L. Prahl
Reg. No. 32,590
Enclosures

*See attached document certifying that Marc M. Wefers has limited recognition to practice before the U.S. Patent and Trademark Office under 37 C.F.R. § 10.9(b).